

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|--|------------------|---------|------------------|
| | | S69 and (((vacuum or pump) with (gas or bubble or degas) and (pump with (liquid or fluid or aqueous))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 08:30 |
| | | S28 and ((vacuum with pump with (gas\$3 or air) and (pump with (liquid or aqueous))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/26 17:08 |
| | | S28 and ((vacuum with pump with (gas\$3 or air) and (pump with (liquid or aqueous))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/26 17:08 |
| | | and @ad<"20021018" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/26 13:07 |
| S1 | 2 | "20040092033" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/26 13:01 |
| S2 | 3727 | (422/100).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/26 13:02 |
| S3 | 1533 | (436/180).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/26 13:04 |
| S4 | 136153 | (microfluid\$3 or HPLC or "high protein liquid chromatography" or hplc) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 08:05 |

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| S5 | 8857 | (microfluid\$3 or HPLC or "high protein liquid chromatography" or hplc).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 16:55 |
| S6 | 422 | S5 and (method and vacuum and pump and valve and (clos\$4 or seal\$3) and (liquid or aqueous or fluid)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/26 16:08 |
| S7 | 213 | S6 and @ad<"20021018" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/26 15:28 |
| S8 | 9 | (("6,613,581") or ("6,581,441") or ("6,537,506") or ("6,532,978") or ("6,488,896") or ("5,922,604") or ("5,882,465") or ("5,863,502") or ("5,792,943") or ("5,726,404")).PN. | USPAT | OR | OFF | 2007/02/26 15:29 |
| S9 | 10 | (("6,613,581") or ("6,581,441") or ("6,537,506") or ("6,532,978") or ("6,488,896") or ("5,922,604") or ("5,882,465") or ("5,863,502") or ("5,792,943") or ("5,726,404")).PN. | USPAT | OR | OFF | 2007/02/26 15:31 |
| S10 | 0 | ((2003/0089663) or (2002/0199094) or (2002/0189947)).CCLS. | US-PGPUB | OR | OFF | 2007/02/26 15:32 |
| S11 | 25 | 2003/0089663 2002/0199094 2002/0189947 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/26 15:32 |
| S12 | 6 | 2003/0089663 2002/0199094 2002/0189947 | US-PGPUB | OR | ON | 2007/02/26 15:33 |
| S13 | 4 | "20030089663" "20020199094" "20020189947" | US-PGPUB | OR | ON | 2007/02/26 15:36 |
| S14 | 2 | ("6623860").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/26 15:42 |

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| S15 | 30 | (US-20040092033-\$ or US-20030196695-\$ or US-20030145886-\$ or US-20030068646-\$ or US-20020194909-\$ or US-20020185184-\$ or US-20020166585-\$ or US-20020155010-\$ or US-20030116738-\$ or US-20020176804-\$ or US-20020098097-\$ or US-20020001856-\$ or US-20030089663-\$ or US-20020199094-\$ or US-20020189947-\$).did. or (US-6919046-\$ or US-6843263-\$ or US-6749814-\$ or US-6499499-\$ or US-6318970-\$ or US-6168760-\$ or US-6613581-\$ or US-6581441-\$ or US-6537506-\$ or US-6532978-\$ or US-6488896-\$ or US-5882465-\$ or US-5863502-\$ or US-5792943-\$ or US-6623860-\$).did. | US-PGPUB; USPAT | OR | ON | 2007/02/26 16:07 |
| S16 | 21 | S15 and (method and vacuum and pump and valve and (clos\$4 or seal\$3) and (liquid or aqueous or fluid)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/26 16:32 |
| S17 | 0 | ("2002/0166585").URPN. | USPAT | OR | ON | 2007/02/26 16:13 |
| S18 | 2 | ("2003/0196695").URPN. | USPAT | OR | ON | 2007/02/26 16:13 |
| S19 | 1277 | (422/70).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/26 16:17 |
| S20 | 86 | S19 and (microfluid\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/26 16:18 |
| S21 | 18 | S20 and (method and vacuum and pump and valve and (clos\$4 or seal\$3) and (liquid or aqueous or fluid)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/26 16:31 |

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| S22 | 2978 | (210/635,656).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/26 16:31 |
| S23 | 178 | S22 and (method and vacuum and pump and valve and (clos\$4 or seal\$3) and (liquid or aqueous.or fluid)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/26 17:05 |
| S24 | 23 | S23 and (microfluid\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/26 16:32 |
| S25 | 54 | ("20010013494" "20020033337" "20020048536" "20020068357" "20020068366" "20020158022" "20020199094" "20030094415" "20030118486" "20030150792" "20030150806" "20030162304" "20030200794" "20030230524" "20040158433" "20050048669" "4946795" "5030418" "5478751" "5658413" "5690763" "5731212" "5783450" "5824204" "5839467" "5863502" "5872010" "5928880" "6004450" "6043080" "6063283" "6117396" "6240790" "6296771" "6312888" "6331439" "6408878" "6416716" "6436292" "6437345" "6458273" "6461515" "6485690" "6494614" "6532978" "6581441" "6585939" "6603546" "6613581" "6635226" "6637463" "6664104" "6812030" "6936167").PN. OR ("7074327"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/26 16:40 |

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| S26 | 54 | ("20010013494" "20020033337" "20020048536" "20020068357" "20020068366" "20020158022" "20020199094" "20030094415" "20030118486" "20030150792" "20030150806" "20030162304" "20030200794" "20030230524" "20040158433" "20050048669" "4946795" "5030418" "5478751" "5658413" "5690763" "5731212" "5783450" "5824204" "5839467" "5863502" "5872010" "5928880" "6004450" "6043080" "6063283" "6117396" "6240790" "6296771" "6312888" "6331439" "6408878" "6416716" "6436292" "6437345" "6458273" "6461515" "6485690" "6494614" "6532978" "6581441" "6585939" "6603546" "6613581" "6635226" "6637463" "6664104" "6812030" "6936167").PN. OR ("7074327").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/26 16:57 |
| S27 | 2 | ("2005/0048669").URPN. | USPAT | OR | ON | 2007/02/26 17:04 |
| S28 | 8857 | (microfluid\$3 or HPLC or "high protein liquid chromatography" or hplc).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 10:08 |
| S29 | 20 | S28 and ((vacuum with pump with (gas\$3 or air)) and (pump with (liquid or aqueous))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/26 17:08 |
| S30 | 8858 | (microfluid\$3 or HPLC or "high protein liquid chromatography" or hplc).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 10:08 |
| S31 | 176 | S30 and (degas\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 10:08 |

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| S32 | 169 | S30 and (method and degas\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 10:09 |
| S33 | 71 | S32 and @ad<"20021018" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 10:23 |
| S34 | 44 | S33 and vacuum | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 10:40 |
| S35 | 939 | S30 and ((remov\$4 or reduc\$5 or minimi\$5 with bubbl\$3) and (vacuum) and method) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 10:41 |
| S36 | 425 | S30 and ((remov\$4 or reduc\$5 or minimi\$5 with bubbl\$3) same (vacuum) and method) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 10:42 |
| S37 | 197 | S30 and ((remov\$4 or reduc\$5 or minimi\$5 with bubbl\$3) same (vacuum) and method and pump and valve) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 10:45 |
| S38 | 104 | S37 and @ad<"20021018" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 10:42 |
| S39 | 15 | S30 and (((remov\$4 or reduc\$5 or minimi\$5) with bubbl\$3) same (vacuum)) and method and pump and valve) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 10:46 |

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| S40 | 19 | S30 and (((remov\$4 or reduc\$5 or minimi\$5) with bubbl\$3) same (vacuum)) and method) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 16:23 |
| S41 | 2 | ("6294388").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 11:11 |
| S42 | 2 | ("6436292").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 11:12 |
| S43 | 2 | ("6491816").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 11:20 |
| S44 | 20 | (("5641400") or ("5698485") or ("5928880") or ("5993750") or ("6036927") or ("6126723") or ("6171865") or ("6192596") or ("6221226") or ("6264900")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 11:21 |
| S45 | 10 | ((("5641400") or ("5698485") or ("5928880") or ("5993750") or ("6036927") or ("6126723") or ("6171865") or ("6192596") or ("6221226") or ("6264900")).PN. | USPAT | OR | OFF | 2007/02/27 11:21 |
| S46 | 3 | "6875619" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 13:15 |
| S47 | 2 | ("6875619").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 13:15 |

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| S48 | 2 | ("6632619").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 16:23 |
| S49 | 39 | (US-20030089663-\$ or US-20020199094-\$ or US-20020189947-\$ or US-20040092033-\$ or US-20030196695-\$ or US-20020185184-\$ or US-20030145886-\$ or US-20030116738-\$ or US-20030068646-\$ or US-20020194909-\$ or US-20020001856-\$ or US-20020176804-\$ or US-20020166585-\$ or US-20020155010-\$ or US-20020098097-\$ or US-20040020855-\$ or US-20030150806-\$ or US-20050048669-\$ or US-20050009101-\$ or US-20040178071-\$).did. or (US-6613581-\$ or US-6581441-\$ or US-6537506-\$ or US-6532978-\$ or US-6488896-\$ or US-5882465-\$ or US-5863502-\$ or US-5792943-\$ or US-6623860-\$ or US-6919046-\$ or US-6843263-\$ or US-6749814-\$ or US-6499499-\$ or US-6318970-\$ or US-6168760-\$ or US-7074327-\$ or US-6228153-\$ or US-6365050-\$ or US-6875619-\$).did. | US-PGPUB; USPAT | OR | ON | 2007/02/27 16:46 |
| S50 | 1 | S49 and ((stationary adj phase or microporous) and (hydrophobic adj frit)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 17:19 |
| S51 | 1 | S49 and (hydrophobic adj frit) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 16:48 |

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| S52 | 1 | S49 and (hydrophobic with frit) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 16:48 |
| S53 | 15 | S49 and (frit) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 16:51 |
| S54 | 18 | S49 and (stationary or microporous) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 16:51 |
| S55 | 2 | S49 and ((stationary or microporous) with hydrophobic) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 16:54 |
| S56 | 15 | S49 and (hydrophobic) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 16:55 |
| S57 | 8858 | (microfluid\$3 or HPLC or "high protein liquid chromatography" or hplc).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 16:55 |
| S58 | 35 | S57 and ((stationary or microporous) with hydrophobic same separation) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 17:01 |
| S59 | 18 | S58 and @ad<"20021018" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 17:02 |

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| S60 | 2033 | S57 and (hydrophobic adj frit with separation media) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 17:02 |
| S61 | 0 | S57 and (hydrophobic adj frit with separation adj media) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 17:02 |
| S62 | 18 | S57 and (hydrophobic with separation adj media) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 17:02 |
| S63 | 10 | S62 and @ad<"20021018" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 17:02 |
| S64 | 4 | S49 and ((stationary adj phase or microporous) same separation adj media) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 17:33 |
| S65 | 8 | S49 and (solvent with (acetonitrile or methanol or isopropyl adj alcohol or ethanol or ethyl adj acetate or dimethyl adj sulfoxide)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 17:35 |
| S66 | 6 | S49 and ("100" adj psi) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:11 |
| S67 | 8858 | (microfluid\$3 or HPLC or "high protein liquid chromatography" or hplc).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:27 |

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| S68 | 8 | S67 and (outlet with vacuum with (air or gas or bubble)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:27 |
| S69 | 136255 | (microfluid\$3 or HPLC or "high protein liquid chromatography" or hplc) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 08:06 |
| S70 | 856 | S69 and (((vacuum or pump) with inlet) and ((vacuum or pump) with outlet) and valve) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 08:29 |
| S71 | 490 | S70 and @ad<"20021018" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 08:31 |
| S72 | 1471 | S69 and ((vacuum or pump) with (gas or bubble or degas) and (pump with (liquid or fluid or aqueous))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 08:31 |
| S73 | 696 | S72 and @ad<"20021018" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 08:32 |
| S74 | 8858 | (microfluid\$3 or HPLC or "high protein liquid chromatography" or hplc).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 08:31 |
| S75 | 210 | S74 and ((vacuum or pump) with (gas or bubble or degas) and (pump with (liquid or fluid or aqueous))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 08:31 |

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| S76 | 94 | S75 and @ad<"20021018" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 08:32 |
|-----|----|------------------------|---|----|----|------------------|